

**IN THE CLAIMS:**

The following claim listing is meant to replace all previous claim listings:

Claims 1 to 27: (Canceled).

28. (Withdrawn) A DNA according to claim 27, wherein said polypeptide has an amino acid sequence selected from the group consisting of the amino acid sequence of Figure 9 (SEQ ID NO.: 43) and the amino acid sequence of Figure 10 (SEQ ID NO.: 47).
29. (Withdrawn) A DNA encoding a polypeptide consisting of amino acid sequence (SEQ ID NO.: 19, 20, 21, 22 Or 23) or an epitope effective portion thereof.
30. (Withdrawn) A DNA encoding a polypeptide according to claim 29, wherein said polypeptide is preceded by one or more of the amino acid sequences of (SEQ ID NOs: 2 to 18), wherein X<sub>1</sub> is Ser or Arg; X<sub>2</sub> is Glu or Asp; X<sub>3</sub> is Arg or Leu and X<sub>4</sub> is Glu or Gly.
31. (Currently Amended) A An isolated DNA ~~according to Claim 27, encoding a polypeptide,~~ wherein said polypeptide has an amino acid sequence consisting of the amino acid sequence of ~~Figure 7~~ SEQ ID NO: 38.
32. (Currently Amended) A An isolated DNA encoding a polypeptide comprising at least one epitope of *P. falciparum* Liver Stage Antigen (LSA), wherein said polypeptide has an amino acid sequence consisting of the first 153 amino acids of the amino acid sequence of (SEQ ID NO: 38 ~~37~~), or an epitope effective portion thereof.

33. (Currently Amended) A The isolated DNA according to claim 32 31, wherein said polypeptide is preceded by one or more of the amino acid sequences of {SEQ ID NOs: 2 ~~to 18~~}, wherein X<sub>1</sub> is Ser ~~or Arg~~; X<sub>2</sub> is Glu ~~or Asp~~; X<sub>3</sub> is Arg ~~or Leu~~ and X<sub>4</sub> is Glu ~~or Gly~~.
34. (Withdrawn) A DNA according to claim 32, wherein said polypeptide is followed by one or more of the amino acid sequences of (SEQ ID NOs: 2 to 18), wherein X<sub>1</sub> is Ser or Arg; X<sub>2</sub> is Glu or Asp; X<sub>3</sub> is Arg or Leu and X<sub>4</sub> is Glu or Gly.
35. (Currently Amended) A The isolated DNA according to claim 27 31, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.
36. (Withdrawn) A DNA encoding a polypeptide consisting of the last 279 amino acids of the amino acid sequence of (SEQ ID NO: 45) or an epitope effective portion thereof.
37. (Currently Amended) A The isolated DNA encoding a polypeptide according to claim ~~any one of claims 29, 32 or 34~~, wherein said polypeptide is linked to one or several amino acids of one or more peptides other than a *P. falciparum* Liver Stage Antigen.

Please add the following new claim:

38. (New) The isolated DNA according to claim 32, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.